

PATENT ABSTRACTS OF JAPAN

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(54) ELECTROMAGNETIC FLOW METER

(57)Abstract:

PURPOSE: To always consume the surface of the electrode of an electromagnetic flow meter detector of electrode interchangeable type bit by bit thereby to maintain the same clean by impressing a positive potential upon the electrode earth thereby to positively ironize the material of the electrode.

CONSTITUTION: A pair of electrodes 12 are attached an electromagnetic flow meter detector 11 and are supplied with a plus potential with respect to the earth potential through a resistor 14 from a DC power source 15. The signals from the detector 11 are converted and amplified by a converter 16. As a result of such construction, metal is ionized and gradually consumed from the surface of the electrodes. Thanks to this consumption, the electrodes can have their surfaces kept always clean so that the stable measurement can be ensured.

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